

AUG 18 1962

STAT

O/Dir Routing

	TO	INITIALS	DATE
LUNDAHL	4		8/27
	3		20 Aug
	2		23 Aug
	1		16 Aug

REMARKS:

STAT

*File: Reconnaissance  
Programs*

UNITED STATES GOVERNMENT

# Memorandum

TO :

DATE:

STAT

FROM :

SUBJECT:

To have a framing  
camera on this - I  
don't see a reference  
to it

OK  
P

yes -  
an omission which was

STAT

STAT

**Page Denied**

## Control System

BYE-3596-62

Copy No. 2

16 August 1962

## MEMORANDUM FOR THE RECORD

SUBJECT: Announcement of a New Photographic Collection System

1. Security - A new collection system, Lanyard, is scheduled for operations starting in March 1963. At the present time, a list containing those cleared for Lanyard information is maintained in the Security Branch, Administrative Staff/NPIC, and "need-to-know" is determined by the Director, NPIC and Chief, TP&DS. This security certification is within the Corona System. As in the case of Mural, the Lanyard certification will probably be dropped at the time the program becomes operational and the photography resulting from this program will be kept in the Keyhole System.

2. The following are a few specifications describing the Lanyard System:

a. Type of Sensor: A single panoramic camera scanning transverse to the line of flight. (This system utilizes many of the camera components developed for the E-5 Samos program.) 30° convergent stereo photography is provided in 80 n.m. strips with alternate 80 n.m. gaps, or in a continuous non-stereo mode.

b. Lens and Focal Length: f/5.0, focal length; 66" T/7.0.

c. Format Size: 4.5" x 25"

d. Resolution: 80 1/mm at 2:1 contrast-dynamic. It is estimated that ground detection size will be between five and seven feet.

e. Ground Coverage per Mission:

(1) Lateral: 10° 50' on each side of the flight path.  
(Total transverse coverage, 47 n.m.)

(2) Length: 25,200 n.m. linear coverage.

f. Operational Altitude: 123 n.m. nominal

g. Film Data:

(1) Type: S.O. 130 and S.O. 132

(2) Footage: 7,600 feet of 3 mil

(3) Width: 5"

Handle via BYE-3596-62  
Control System

TOP SECRET

GROUP 1  
Excluded from automatic  
downgrading and  
declassification

BYE 3596-62  
Page 2

h. Scale of Photography at Nadir: 1/136,000

1. Image Motion Compensation: Similar to KH-4

j. Data Chamber: Binary data block including time, roll position of vehicle, and mirror position (stereo or continuous coverage).

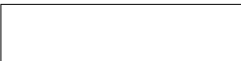
k. Date Operational: March 1963

3. Remarks:

a. A stellar/index camera system similar to the one to be incorporated into the KH-4 system will be included.

b. It is understood at the present time that five vehicles are scheduled with the possibility of two additional vehicles.

c. A briefing on this program will be held at 1100<sup>\*</sup> hours on Friday, 17 August 1962 in the 5th floor conference room to discuss further details of this program and to answer any questions generated by this paper.

  
Chief, TPDS

50X1

NPIC/TPDS/TDB: 

50X1

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*I don't receive  
notice until 1700 17 Aug.*

TOP SECRET